

To: Rodriguez, Dante[Rodriguez.Dante@epa.gov]
From: Jeryl Gardner
Sent: Thur 1/25/2018 9:47:45 PM
Subject: RE: OU-7 monthly call - EPA/Aptim notes

Hi Dante,

Thanks for the meeting notes!

Good work!

Would you like to have another hand-off/transition strategy call this afternoon or Monday?

How did the Tribal meeting go today?

I am beginning to prepare an outline for a CIPP, and have not had any luck with my request to Sarah.

Can you provide an EPA template/example CIPP, or if EPA has a site-wide Anaconda CIPP at your earliest convenience?

I greatly appreciate it!

Jeryl

Jeryl R. Gardner, P.E., C.E.M.

Supervisor, Abandoned Mine Lands Branch

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From: Rodriguez, Dante [mailto:Rodriguez.Dante@epa.gov]
Sent: Thursday, January 25, 2018 12:15 PM
To: Oman, Jack <Jack.Oman@bp.com>; John Batchelder <jbatchelder@envirosolve.com>; Bransford, Don <Don.Bransford@aecom.com>; bryan.mcculley (bryan.mcculley@copperenv.com) <bryan.mcculley@copperenv.com>; John Roseberry (john.roseberry@copperenv.com) <john.roseberry@copperenv.com>; Sciacca, John <John.Sciacca@aecom.com>; Alma Feldpausch <afeldpausch@ramboll.com>; Tull, James <James.Tull@arcadis.com>; Randy Miller (rlmiller@broadbentinc.com) <rlmiller@broadbentinc.com>; Jeryl Gardner <JGARDNER@ndep.nv.gov>; Jonathan Zittel <jzittel@ndep.nv.gov>; McMillan, John <john.mcmillan@aptim.com>; JC Isham (Julian.Isham@aptim.com) <Julian.Isham@aptim.com>; Shireman, Jonathan <Jonathan.Shireman@aptim.com>; Tashina Jim (wrptgapmanager@gmail.com) <wrptgapmanager@gmail.com>; ghatch.ypt-nsn.gov <ghatch@ypt-nsn.gov>; Dietrick McGinnis <dmcginnis@mcginnisandassociates.com>; Sarah Peters <speters@mcginnisandassociates.com>; Dave Davis (drdavis@blm.gov) <drdavis@blm.gov>; Angela Stevens <a.stevens@ndep.nv.gov>
Subject: RE: OU-7 monthly call - EPA/Aptim notes

EPA/Aptim Notes from OU7 Call.

1/16/18 Monthly OU7 Call

PARTICIPANTS: Jeryl Gardner (NDEP), Dante Rodriguez (EPA), Jack Oman (ARC), Sarah Peters (McG&A), Alma Feldpausch (Ramboll), Dietrick McGinnis (McG&A), Don Bransford (AECOM), Tashina Jim (WRPT), Jonathon Shireman (Aptim), Brian McCulley (Coppers), John McMillan (Aptim), JC Isham (Aptim), Angela Stevens (NDEP), Jonathon Zittel (NDEP), John Batchelder (Envirosolve), Randy Miller (Broadbent), Jamie Tull (Arcadis), Ginny Hatch (YPT)

- Analysis not yet presented. As noted in ARC responses to comments indicated below.

> (1. Comments 3,6,7,9 - 1st and 3rd paragraphs), (2. Comments 3,6,7,9 - 5th and 6th paragraphs). DB: Information requested in these comments will be in the CSM update.

> (3. Comment 5). Nitrate/sulfate. DB: Some of this information was in the January 2017

presentation, but he will send us additional information as well. BM: CSM update uploaded to SP site today. Document in multiple parts, and totals >30Mb.

> (4. *Comment 12, 1st paragraph*), (5. *Comment 12, 4th paragraph*), (7. *Comment 17,19,20 – 3rd paragraph*), (8. *Comment 21*). DB: All these comments are being addressed in a write-up of BCL approach to be provided by ARC.

> (6. *Comment 17,19,20 – 1st paragraph and Comment 22*). DB: These items, in concert with the RTC to Comments 7 and 8, will similarly be addressed in approach on background.

> (9. *Comment 27, 3rd bullet*). DB: B&C had made the response in question; Don is checking with them about this.

- **USGS background.** DB: Work done and going through peer review. Plans to provide this evaluation in the BCL reevaluation submittal, as an addition to it.

- **BCL.** DB: Would like to present their reevaluation in a webinar before doing write-up, get team feedback. DM: Request we receive copy of presentation a couple days ahead of time. Also, when tech memo comes out please include presentation as an appendix, preferably with notes indicating what parts were not included in memo. DB: Timing, 4-6 weeks out, would project will be ready. Will let us know when ready to schedule. *Check in a couple weeks.

Comments on last month's call notes, Page 2, on statistical topics.

> DB: COIs as a whole will be used in comparing North and South data sets, not individual COIs, when determining whether to pool them or keep them in separate populations.

> DR: Need to clarify comparison of BCL(s) to drain bottom. DB: each COI will be evaluated by depth, determine whether we can separate into shallow vs. deep, or else keep as full-depth population. For those COIs that end up with full-depth, compare that full-depth to the drain bottom sediments. For those COIs that have depth-specific BCL, shallow BCL is compared to drain bottom.

> JS: Regarding sufficiency of number of background samples, JS noted that they need to pick a statistical test that does not blow up needed sample size.

> DB: Will write-up the agreed-upon approach, incorporates flow chart, etc.

> JS: Regarding changing wording from "95% confidence level," need to figure out statistical test, need to do quickly as he is out in field soon, early next week talk with Roseberry (M or T) about number of samples needed for acceptable population size. Discuss choosing statistical test. DB will coordinate.

- **Outliers.** Box and whisker plots and scatter plots to be used. OK.

- **Geochemical association of metals.** Box & whisker plots to be used, task is underway. Same effort will answer outliers topic as well. DB: Will be reported with BCL work.

- **Table 4-2.** DR: Received. JC: Legend at bottom of table (last page) define colors.

- **Mb/Se.** JS: Area A-1 data had a lot of NDs; OU7 data is sufficient, has enough detects, as long as we don't point back to A-1.

- **YPT.** DM: Have provided the raw lab reports, position report, and EPA's data validation report. Will confer with Ginny, think he can send tabulated analytical results (i.e. spreadsheet). JG: Had questions over the location/depth of some samples, will email DM. DH and SP confirmed some issues with sample recovery affecting sample depths. DM said that some opportunistic sampling in wetlands performed as allowed by FSAP. Did not do boring logs or XRF. Have some field notes, will include in final report. JG asked if full investigation report to be submitted. DM: Beyond data tabulation and field work description reporting, they are working on additional analysis. Will be producing an investigation report. Said revised CSM just posted will help propel this process (i.e. germane to analyses being done). Report will be submitted to YPT.

- **Next monthly.** 2 hours reserved, can conduct BCL presentation if ready by then, or else normal check-in, 2/14 10a-12p.

Dante Rodriguez

Remedial Project Manager

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-----Original Appointment-----

From: Rodriguez, Dante

Sent: Wednesday, November 29, 2017 2:47 PM

To: Rodriguez, Dante; Oman, Jack; John Batchelder; Bransford, Don; bryan.mcculley (bryan.mcculley@copperenv.com); John Roseberry (john.roseberry@copperenv.com); Sciacca, John; Alma Feldpausch; Tull, James; Randy Miller (rlmiller@broadbentinc.com); Jeryl Gardner; Jonathan Zittel; McMillan, John; JC Isham (Julian.Isham@aptim.com); Jonathan Shireman (Jonathan.Shireman@aptim.com); Tashina Jim (wrptgapmanager@gmail.com); Ginny Hatch; Dietrick McGinnis; Sarah Peters; Dave Davis (drdavis@blm.gov); Angela Stevens

Subject: OU-7 monthly call

When: Tuesday, January 16, 2018 10:00 AM-12:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where:

UPDATED!!!

We will use the NDEP conference line

CALL-IN: 877-873-8017

ACCESS #: 3750417

Team –

For our agenda, I propose following the list of follow-up items from our previous call, as summarized below.

PROPOSED AGENDA for 1/16 OU7 Monthly Call

- **Analysis not yet presented.** JO/JB speak with DR to plan how to address. UPDATE.
- **USGS background info to be compared to BCLs.** DB reported detailed review is underway. UPDATE.
- **Geochem association of metals.** DB/JS agreed on combination of box&whisker plots and major element vs. contaminant of concern scatter plots. UPDATE (task underway?).
- **Table 4-2.** DB reported they produced table with exceedances highlighted, will forward to EPA. RECEIVED AND SHARED.
- **Molybdenum and selenium.** DB/JS agreed data sufficient to calculate OU7-specific BCLs, as long as RI does not reference Area A-1 BCLs. ISSUE COMPLETED?
- **YPT data report.** DM progressing, will discuss deadlines with client. LOCATION DATA, VALIDATION REPTS SHARED.
- **CSM update.** Forthcoming. UPDATE.
- **Agricultural information resources.** Aptim to forward to DM. SHARED.
- **Background statistics, north/south, shallow/deep.** Approach agreed upon, DR to produce flowchart, ARC to perform task and submit tech memo. FLOWCHART SHARED. UPDATE.
- **Outlier tests.** Issue on hold pending path forward for background. DISCUSS.

JO = Jack Oman

JB = John Batchelder

DB = Don Bransford

JS = Jonathon Shireman

DM = Dietrick McGinnis

DR = Dante Rodriguez